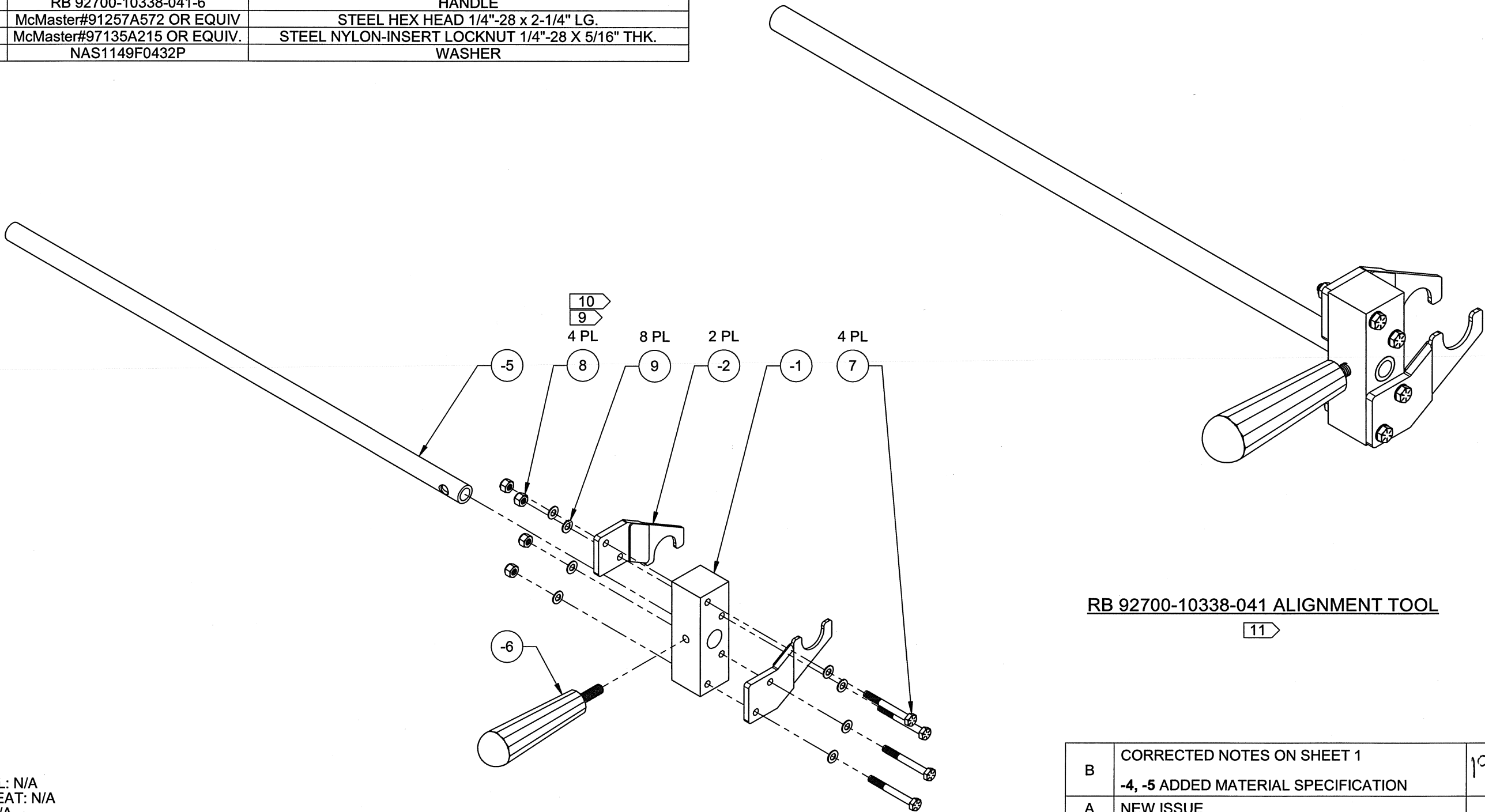


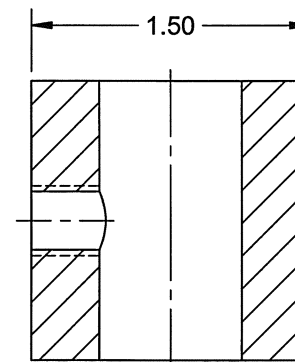
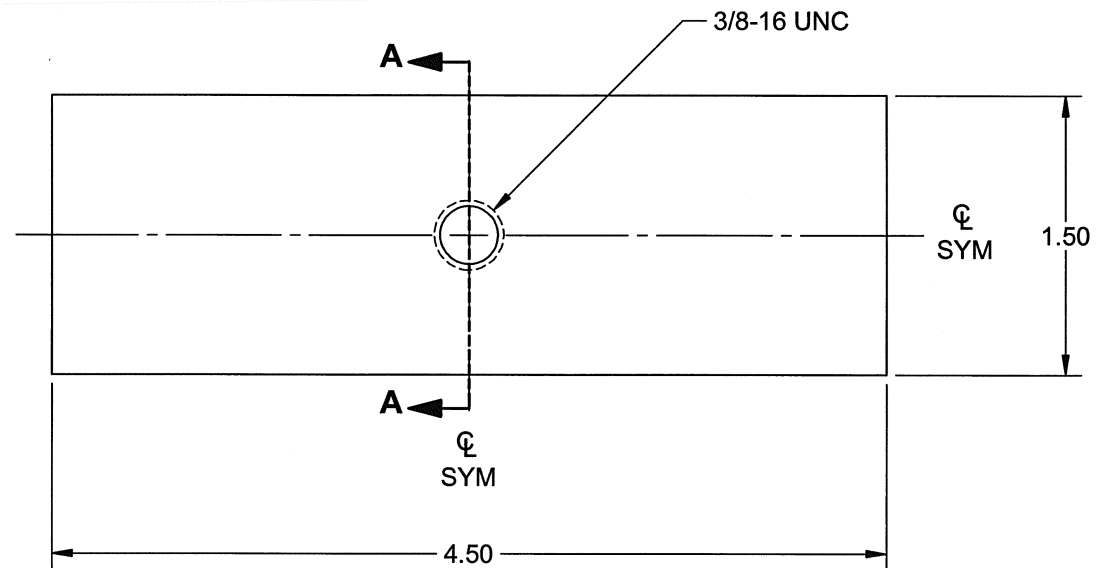
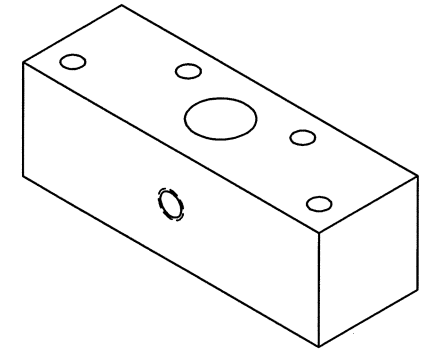
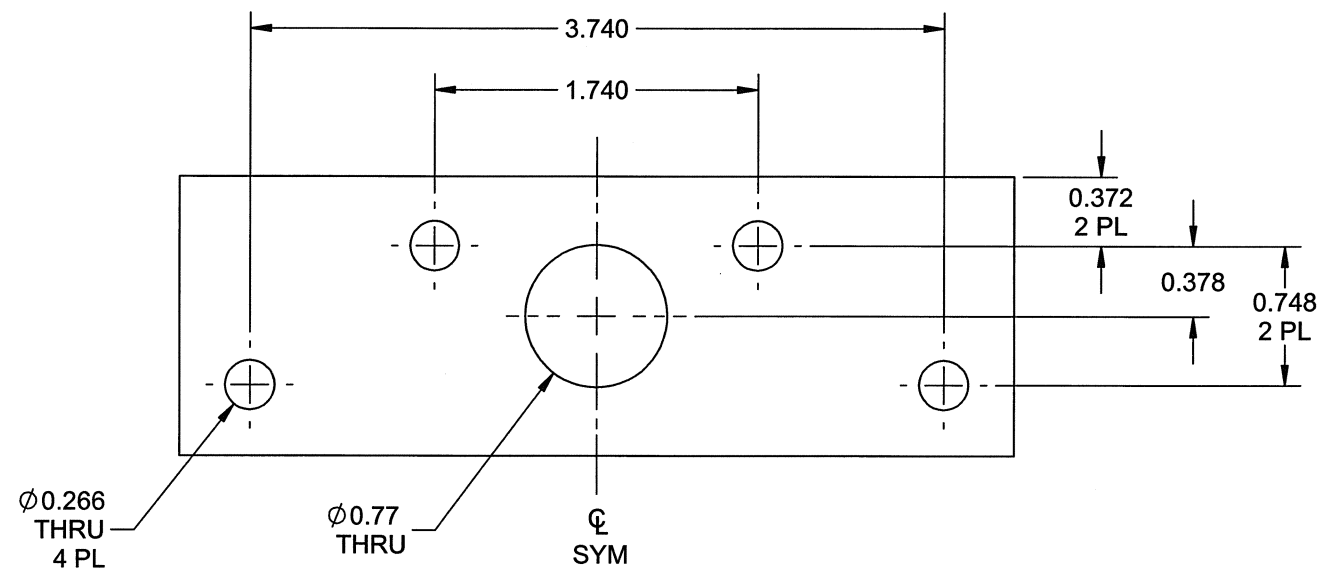
ITEM #	QTY	PART #	PART TITLE
-1	1	RB 92700-10338-041-1	BASE
-2	2	RB 92700-10338-041-2	ARM ASSY
-5	1	RB 92700-10338-041-5	BAR
-6	1	RB 92700-10338-041-6	HANDLE
7	4	McMaster#91257A572 OR EQUIV	STEEL HEX HEAD 1/4"-28 x 2-1/4" LG.
8	4	McMaster#97135A215 OR EQUIV.	STEEL NYLON-INSERT LOCKNUT 1/4"-28 X 5/16" THK.
9	8	NAS1149F0432P	WASHER



RB 92700-10338-041 ALIGNMENT TOOL

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) ASSEMBLE AS SHOWN
  - 9) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEMS 7 THEN ASSEMBLE WITH ITEMS 8 AND REMOVE EXCESS
  - 10) INSTALL ITEMS 8 WITH A TORQUE OF 65-90 IN/LBS
  - 11) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

B	CORRECTED NOTES ON SHEET 1		19-508	KPT
	-4, -5 ADDED MATERIAL SPECIFICATION			
A	NEW ISSUE			KPT
REV.	DESCRIPTION		ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	KPT			
CHECKED	MB	TOOL PART #		REV. B
MFG. APPR.	DP	RB 92700-10338-041		SHEET 1 OF 7
APPROVED	VM	TITLE		SCALE
		ALIGNMENT TOOL		NTS
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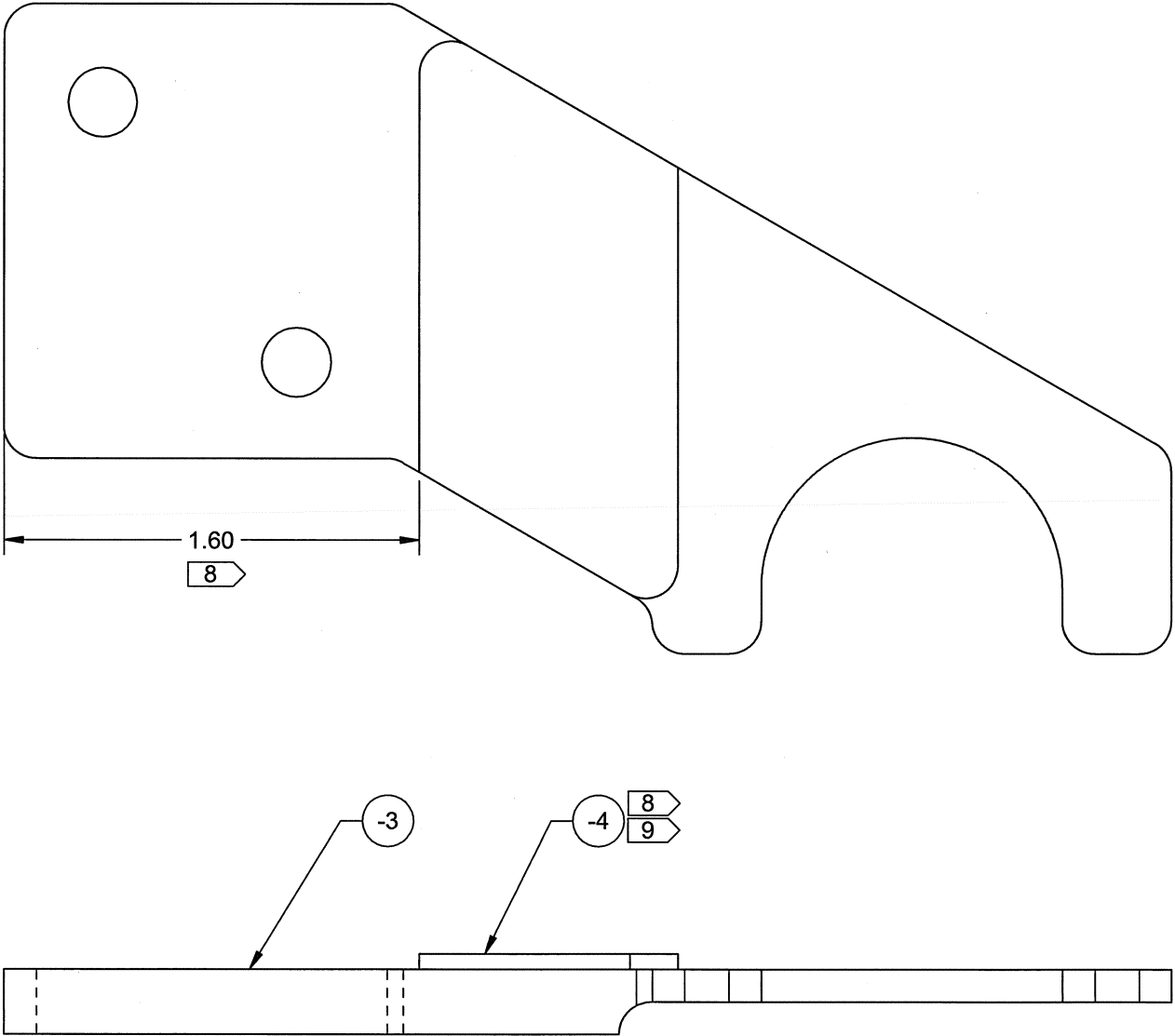
**SECTION A-A**

**RB 92700-10338-041-1 BASE**

- NOTES:**
- 1) MATERIAL: 4140/4142 (28-32 RC)
  - 2) HEAT TREAT: N/A
  - 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	<b>RB 92700-10338-041</b>	SHEET 2 OF 7
APPROVED	<i>WJ</i>	TITLE	SCALE
DATE <b>1/15/2019</b>		<b>ALIGNMENT TOOL</b>	NTS
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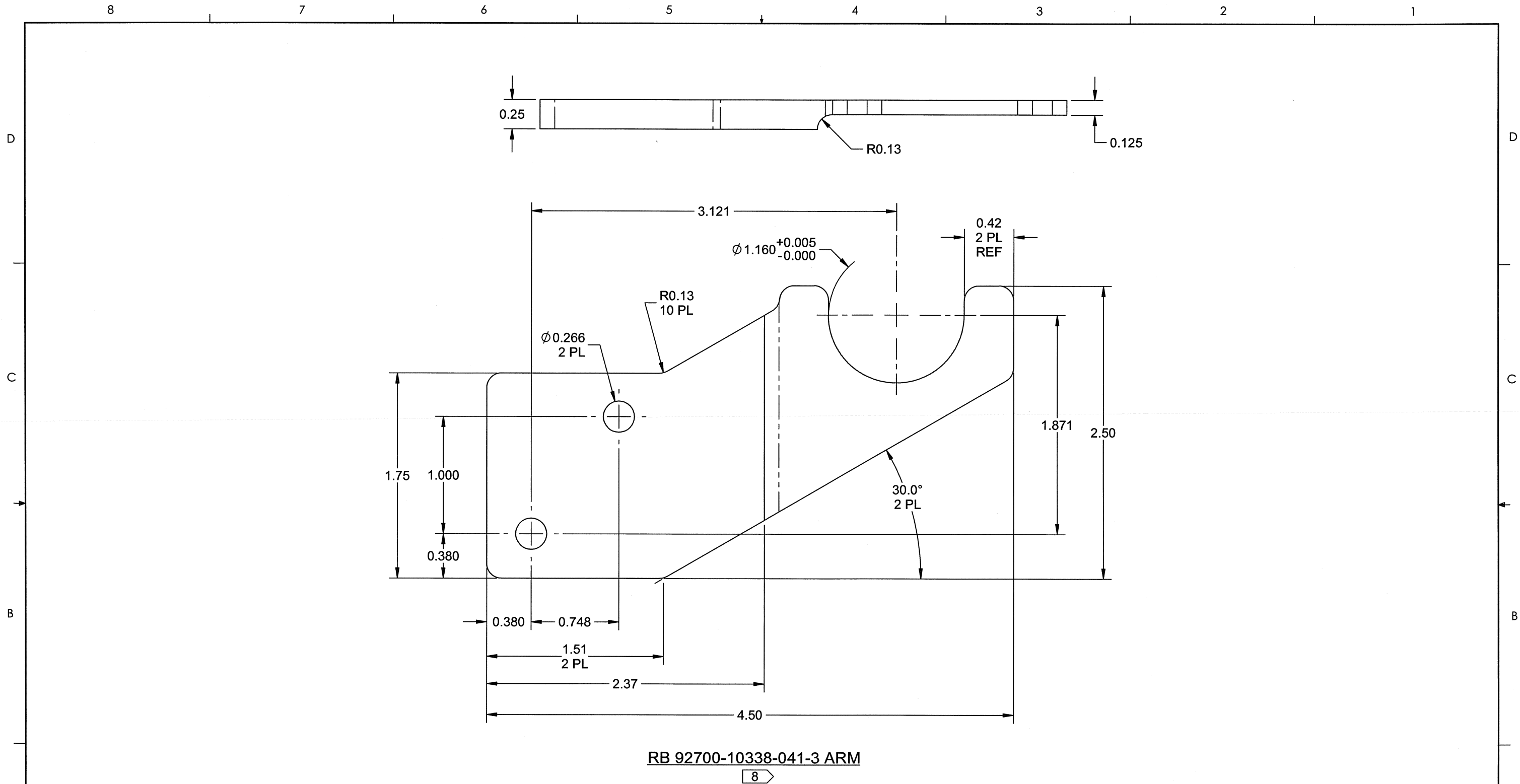
ITEM #	QTY	PART #	PART TITLE
-3	1	RB 92700-10338-041-3	ARM
-4	1	RB 92700-10338-041-4	PAD



RB 92700-10338-041-2 ARM ASSY

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) ASSEMBLE ITEM -4 ADHESIVE SIDE ONTO SURFACE OF ITEM -3 AS SHOWN AND CUT EXCESS IF NECESSARY
  - 9) APPLY LOCTITE 495 BETWEEN THE SURFACES OF ITEM -4 AND ITEM -3 IF NECESSARY, AND REMOVE EXCESS

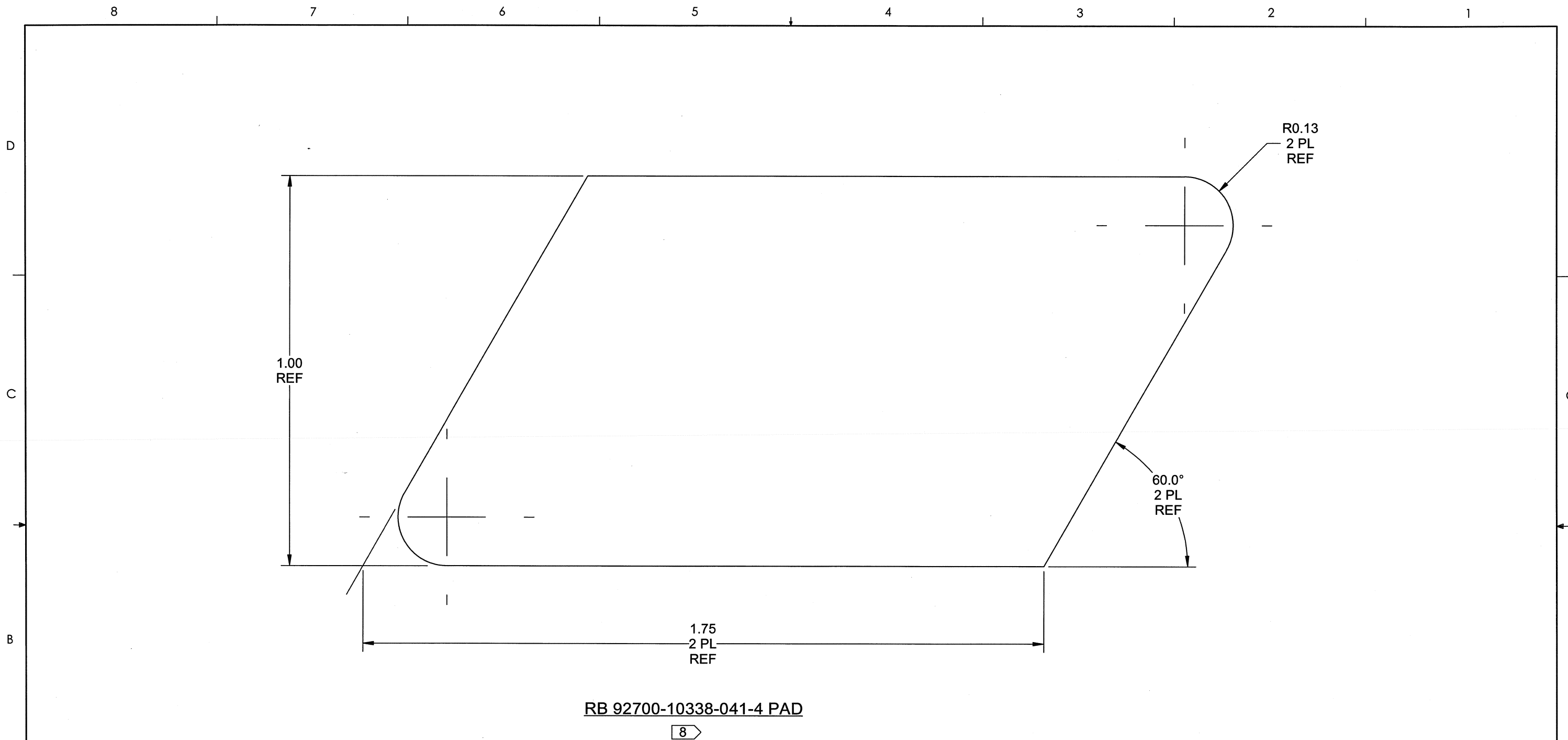
DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	<b>RB 92700-10338-041</b>	SHEET 3 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DATE 1/15/2019		<b>ALIGNMENT TOOL</b>	NTS
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NOTES:

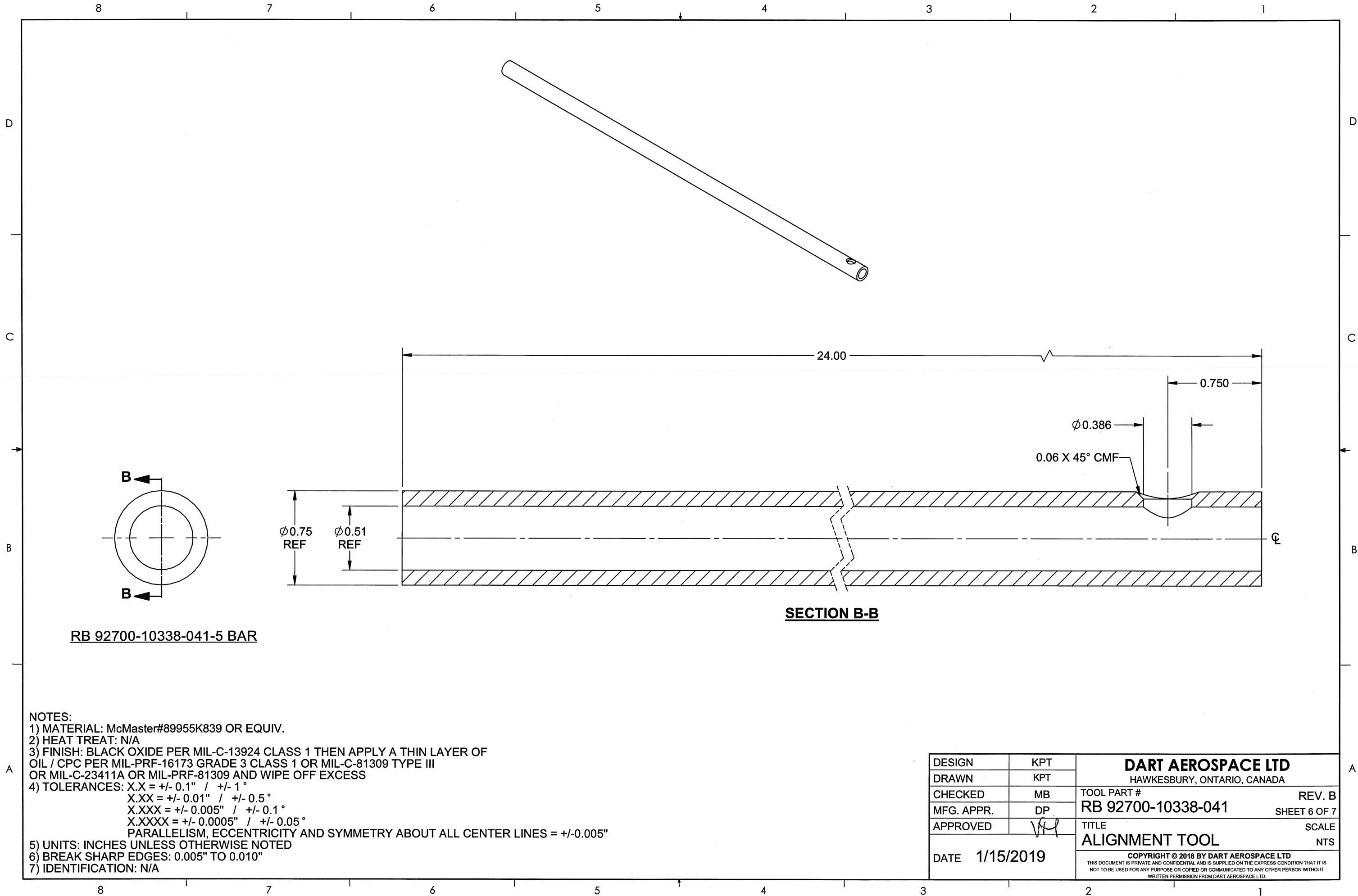
- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RB 92700-10338-041-3 REV B.STEP

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	RB 92700-10338-041	SHEET 4 OF 7
APPROVED	WY	TITLE	SCALE
DATE 1/15/2019		ALIGNMENT TOOL	NTS
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NOTES:  
1) MATERIAL: McMaster#1374N23 (60A DUROMETER) OR EQUIV.  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) BREAK SHARP EDGES: 0.005" TO 0.010"  
7) IDENTIFICATION: N/A  
8) CUT ACCORDING TO PROFILE OF ITEM -3 AT ASSEMBLY IF NECESSARY

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	<b>RB 92700-10338-041</b>	SHEET 5 OF 7
APPROVED	<i>WY</i>	TITLE	SCALE
DATE 1/15/2019		<b>ALIGNMENT TOOL</b>	NTS
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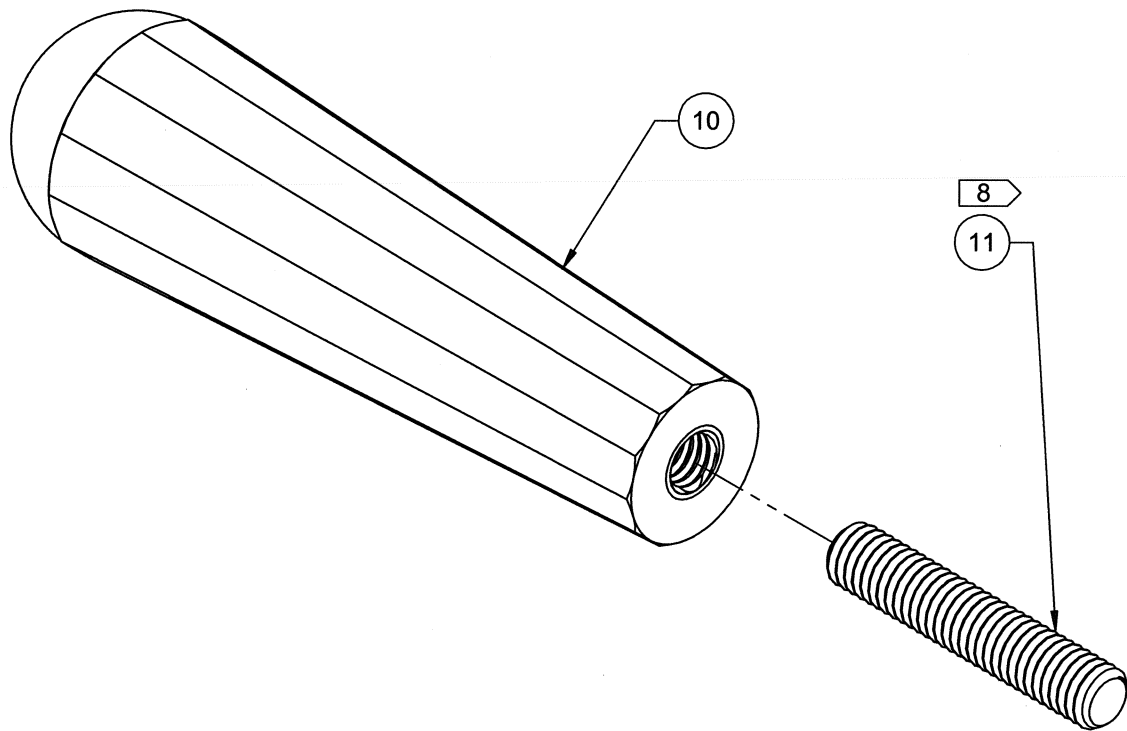


RB 92700-10338-041-5 BAR

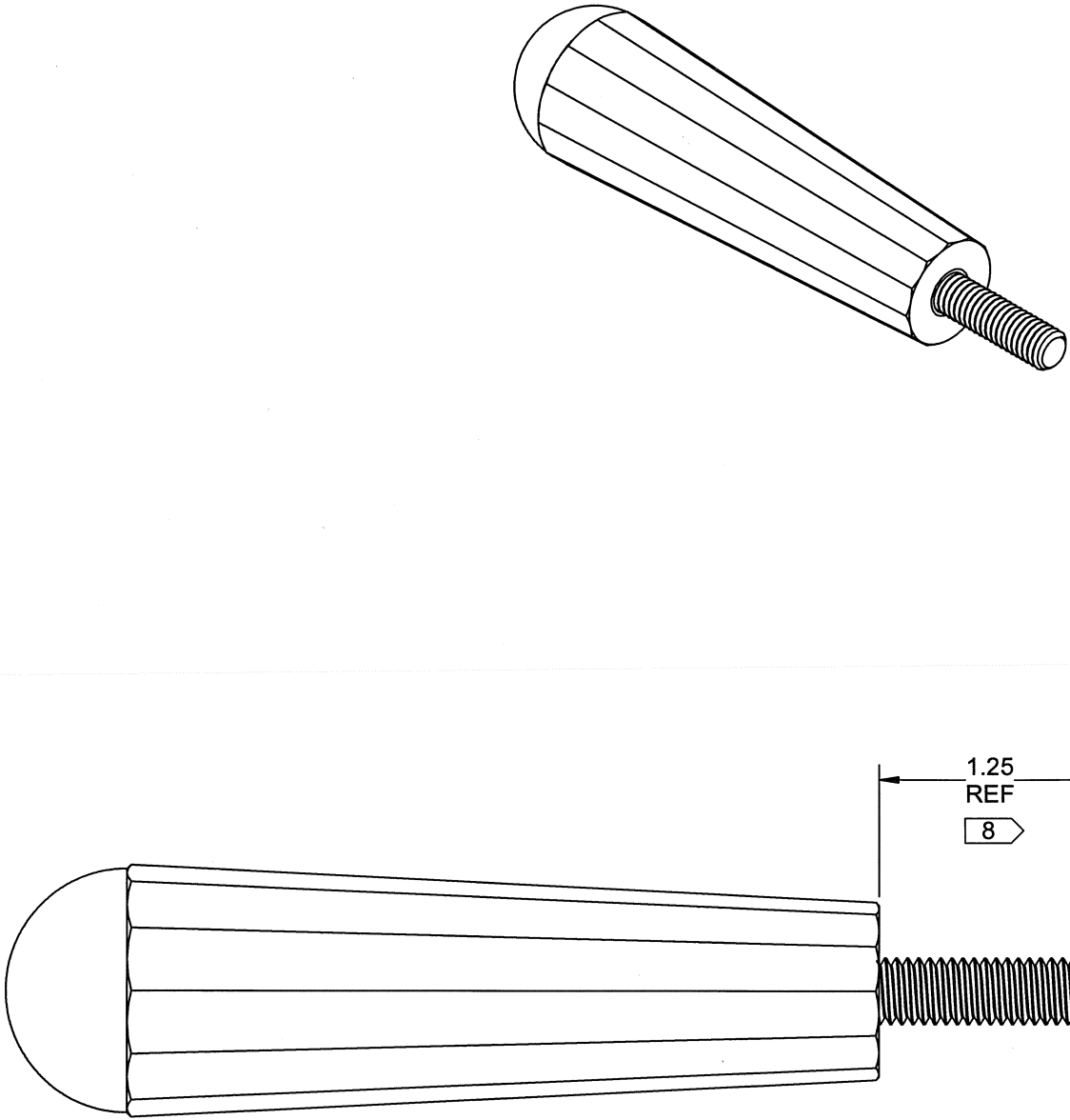
- NOTES:
- 1) MATERIAL: McMaster#89955K839 OR EQUIV.
  - 2) HEAT TREAT: N/A
  - 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A

DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	RB 92700-10338-041	SHEET 6 OF 7
APPROVED		TITLE	SCALE
DATE 1/15/2019		ALIGNMENT TOOL	NTS
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
ITEM #	QTY	PART #	PART TITLE
10	1	McMaster#57455K470 OR EQUIV.	PLASTIC TAPERED HANDLE 3/8"-16 X 3/4" DEEP. X 4-15/16" LG.
11	1	McMaster#98758A648 OR EQUIV	STEEL THREADED ROD 3/8"-16 X 2"



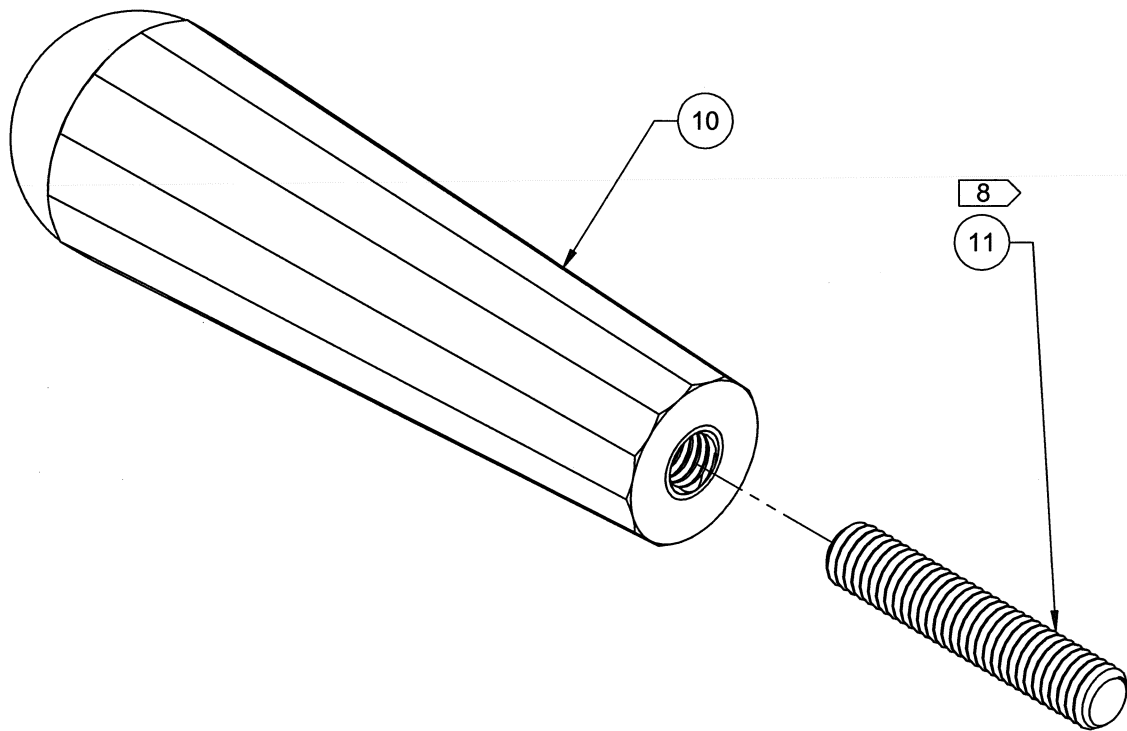
RB 92700-10338-041-6 HANDLE



- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 11 THEN ASSEMBLE WITH ITEM 10 AND REMOVE EXCESS

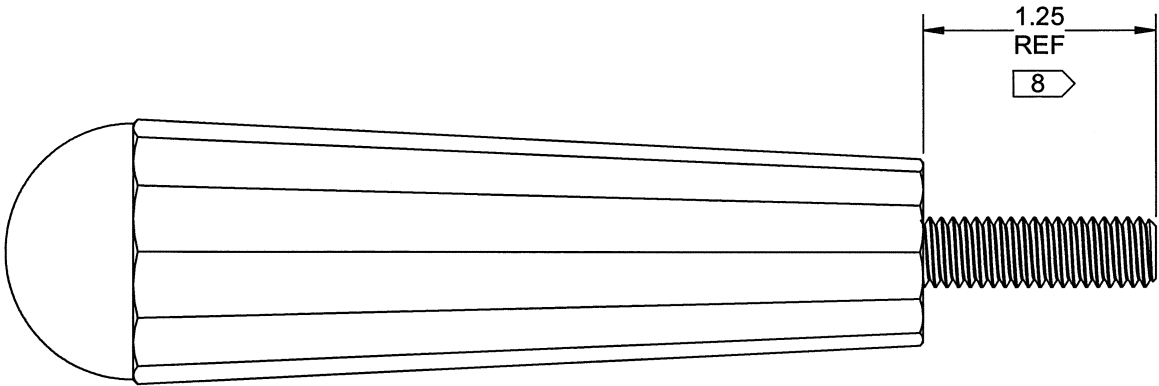
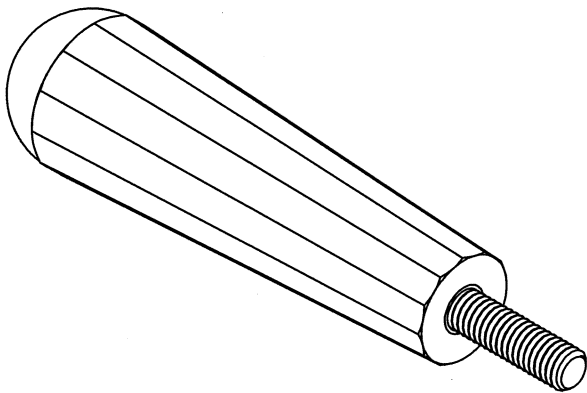
DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. B
MFG. APPR.	DP	<b>RB 92700-10338-041</b>	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DATE <b>1/15/2019</b>		<b>ALIGNMENT TOOL</b>	NTS
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
ITEM #	QTY	PART #	PART TITLE
10	1	McMaster#57455K470 OR EQUIV.	PLASTIC TAPERED HANDLE 3/8"-16 X 3/4" DEEP. X 4-15/16" LG.
11	1	McMaster#98758A648 OR EQUIV	STEEL THREADED ROD 3/8"-16 X 2"



RB 92700-10338-041-6 HANDLE

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 11 THEN ASSEMBLE WITH ITEM 10 AND REMOVE EXCESS



DESIGN	KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	MB	TOOL PART #	REV. B
MFG. APPR.	DP	RB 92700-10338-041	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DATE 1/15/2019		ALIGNMENT TOOL	NTS
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